

Figure 1A

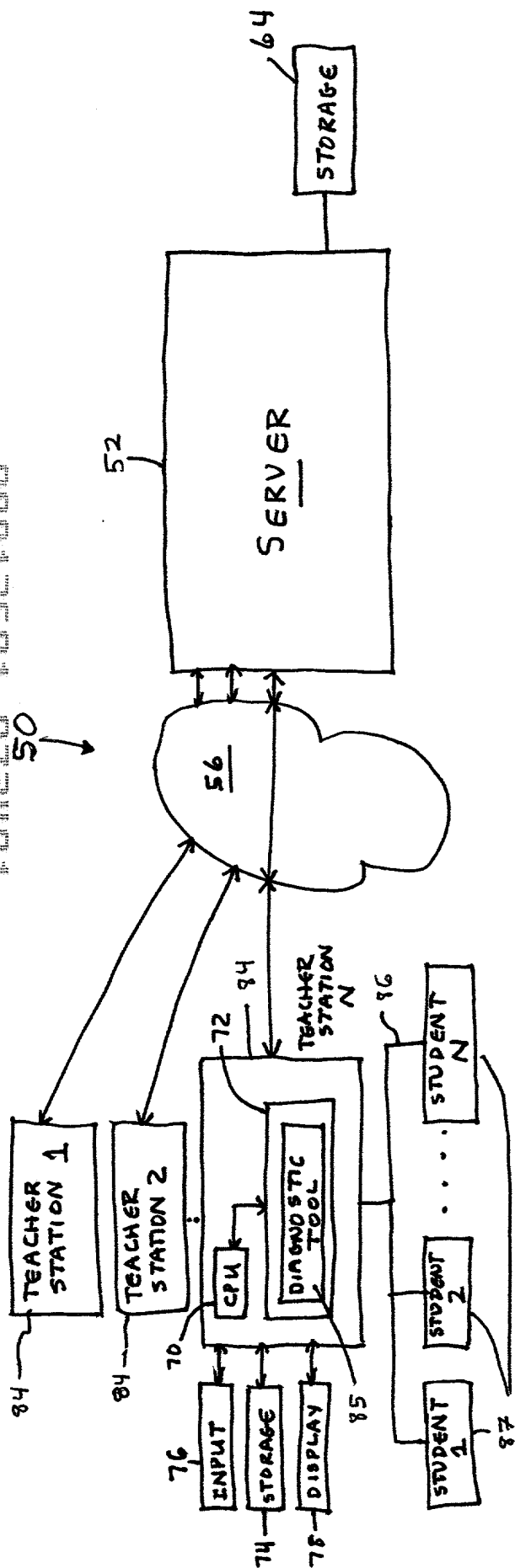


FIGURE 1B

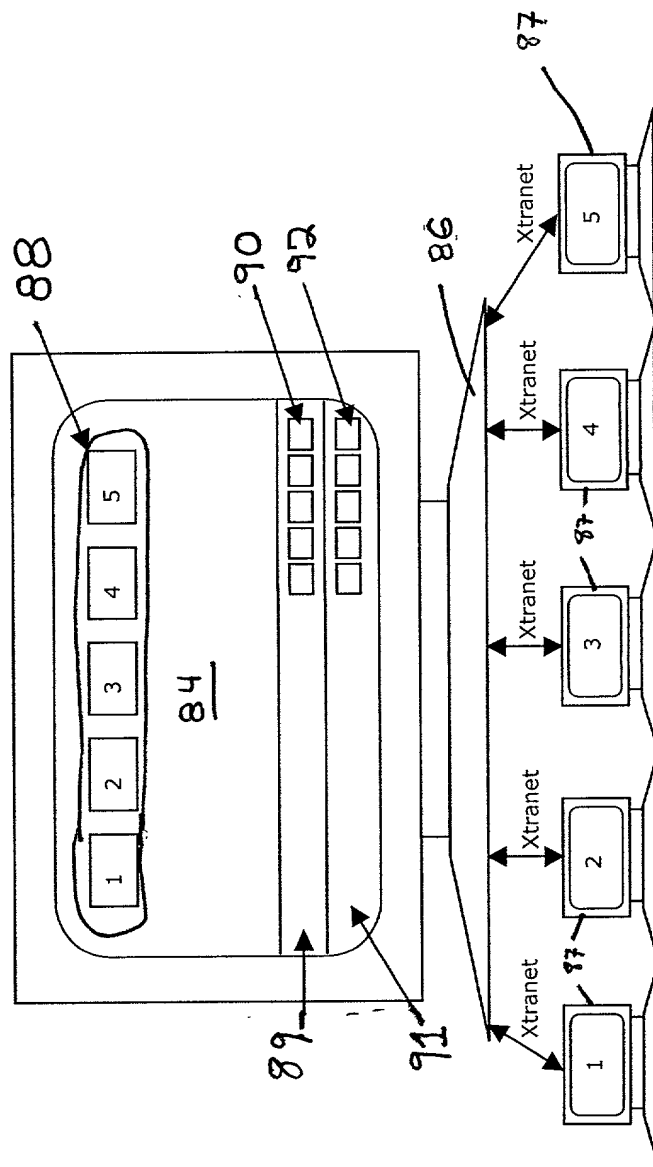


FIGURE 1C

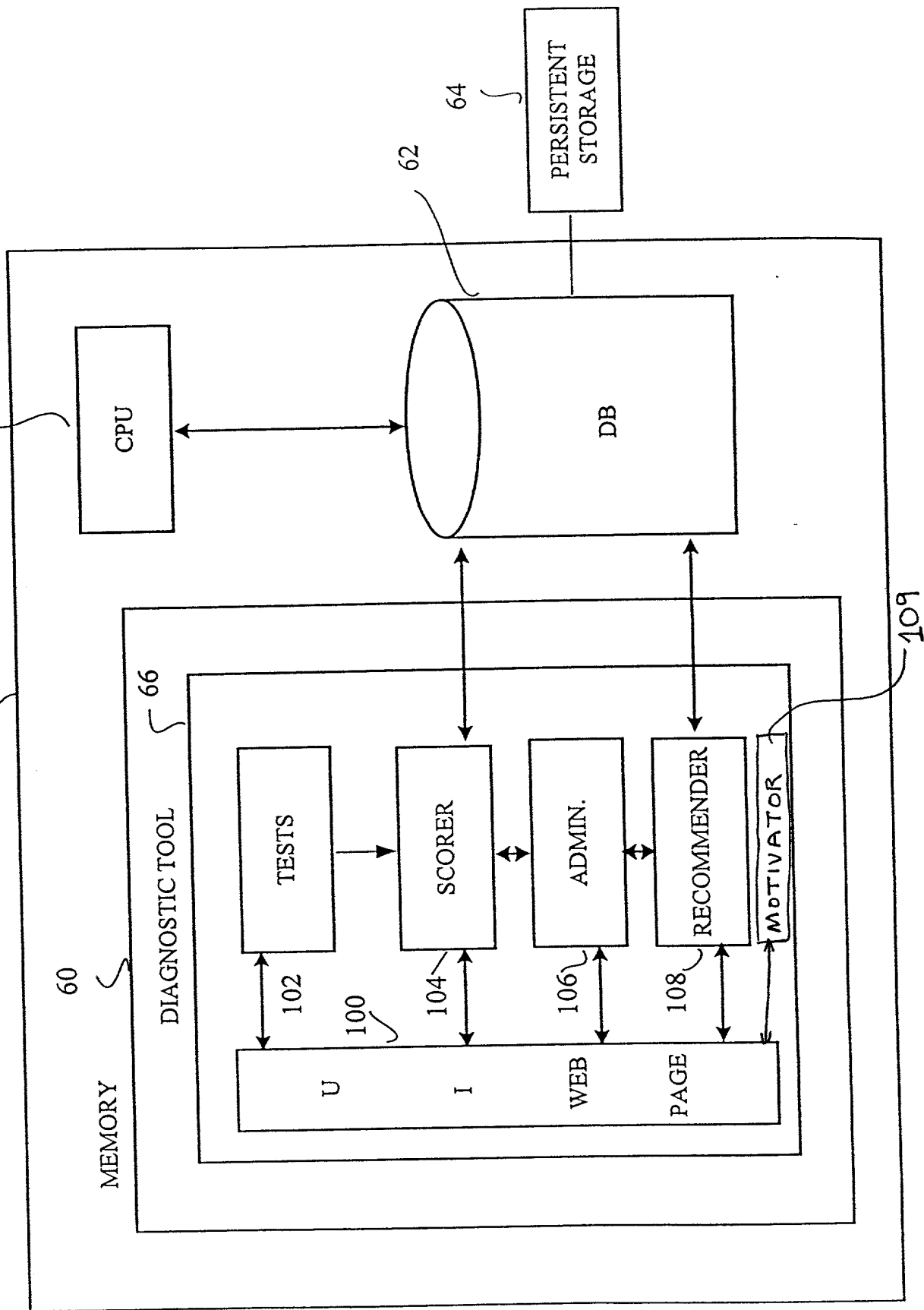


Figure 2

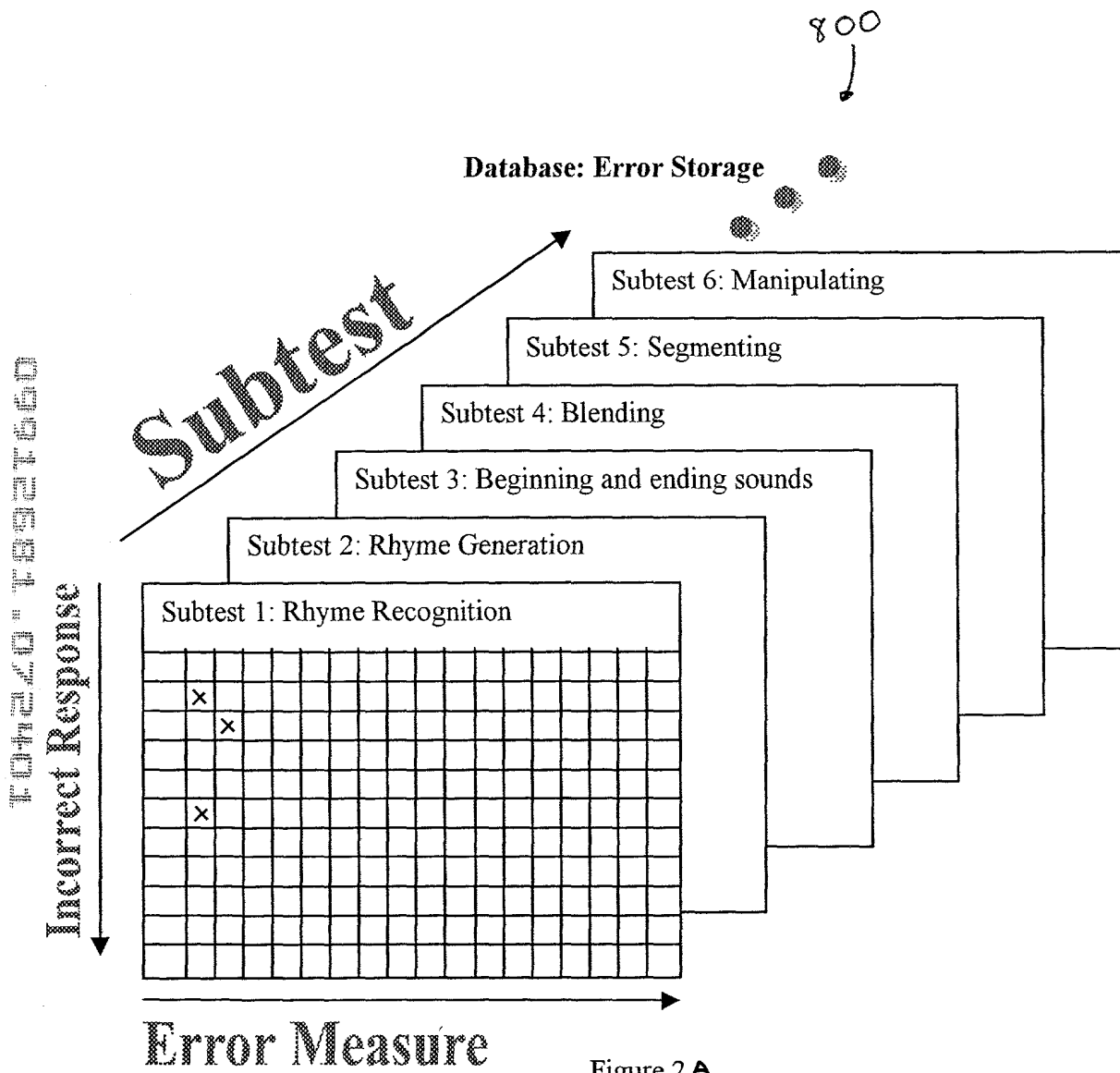
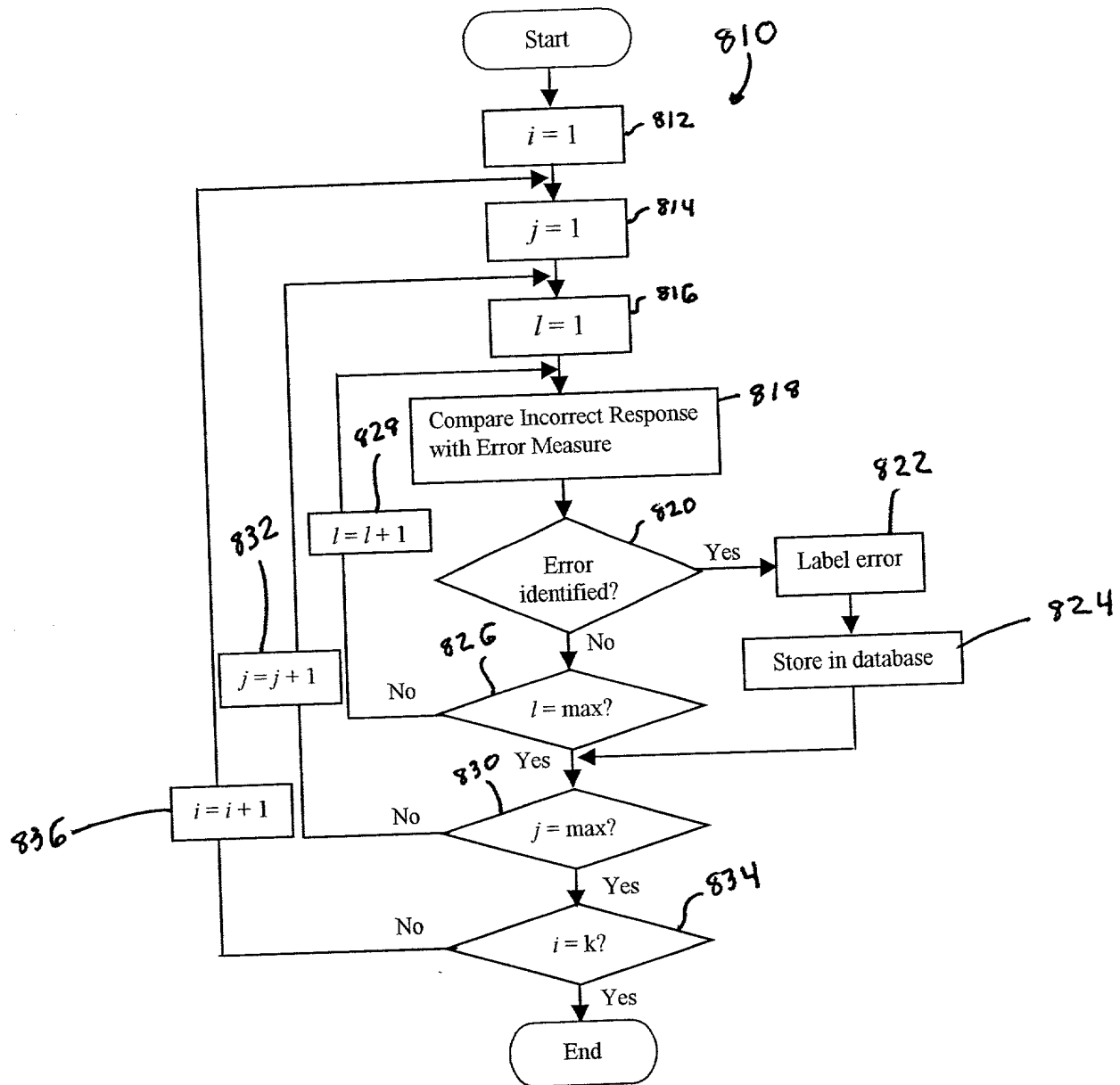


Figure 2A



(ST)_i: Subtest; $i = 1 \dots k$

(IR)_{ij}: Incorrect Response; $ij = 1.1, 1.2, \dots, 1.\text{max.}, \dots, k.1, k.2, \dots, k.\text{max.}$ ($j = 1 \dots \text{max.}$)

(EM)_{il}: Error Measure; $il = 1.1, 1.2, \dots, 1.\text{max.}, \dots, k.1, k.2, \dots, k.\text{max.}$ ($l = 1 \dots \text{max.}$)

Note: max. for l is different from max. for j .)

Figure 2B

IF-THEN Rule Bases

Subject	Error Measure					
1. Rhyme Recognition	(1)	(2)	(3)	(4)	...	η_1
2. Rhyme Generation	(1)	(2)	(3)	(4)	...	η_2
3. Beginning and Ending Sounds	(1)	(2)	(3)	(4)	...	η_3
4. Blending	(1)	(2)	(3)	(4)	...	η_4
5. Segmenting	(1)	(2)	(3)	(4)	...	η_5
6. Manipulating	(1)	(2)	(3)	(4)	...	η_6
7. Recalling in Sequential Order	(1)	(2)	(3)	(4)	...	η_7
8. Rapid Naming	(1)	(2)	(3)	(4)	...	η_8
9. Letter Names and Sound	(1)	(2)	(3)	(4)	...	η_9
10. Decoding	(1)	(2)	(3)	(4)	...	η_{10}
11. Fluent Reading	(1)	(2)	(3)	(4)	...	η_{11}

FIGURE 2C

Subtest	Error Measure ID	Error Measure
3. Beginning and Ending Sounds	2	Do not recognize /f/ when it is at the end following an /i/ sound
4. Blending	3	Can not blend when /f/ is at the end following an /e/ sound
5. Segmenting	4	Do not count /f/ when it is at the end following an /Δ/ sound
6. Manipulating	4	Can not replace /f/ with /v/ when it is at the end following an /e/ sound
7. Recalling in Sequential Order	3	Do not recall /f/ when it is at the end following another consonant.
9. Letter Names and Sound	4	Can not recognize /f/ sound when it is isolated
10. Decoding	2	Cannot recognize the nonsense word when the word ends with a /f/ sound which follows another consonant

FIGURE 2D

DIAGNOSTIC TOOL

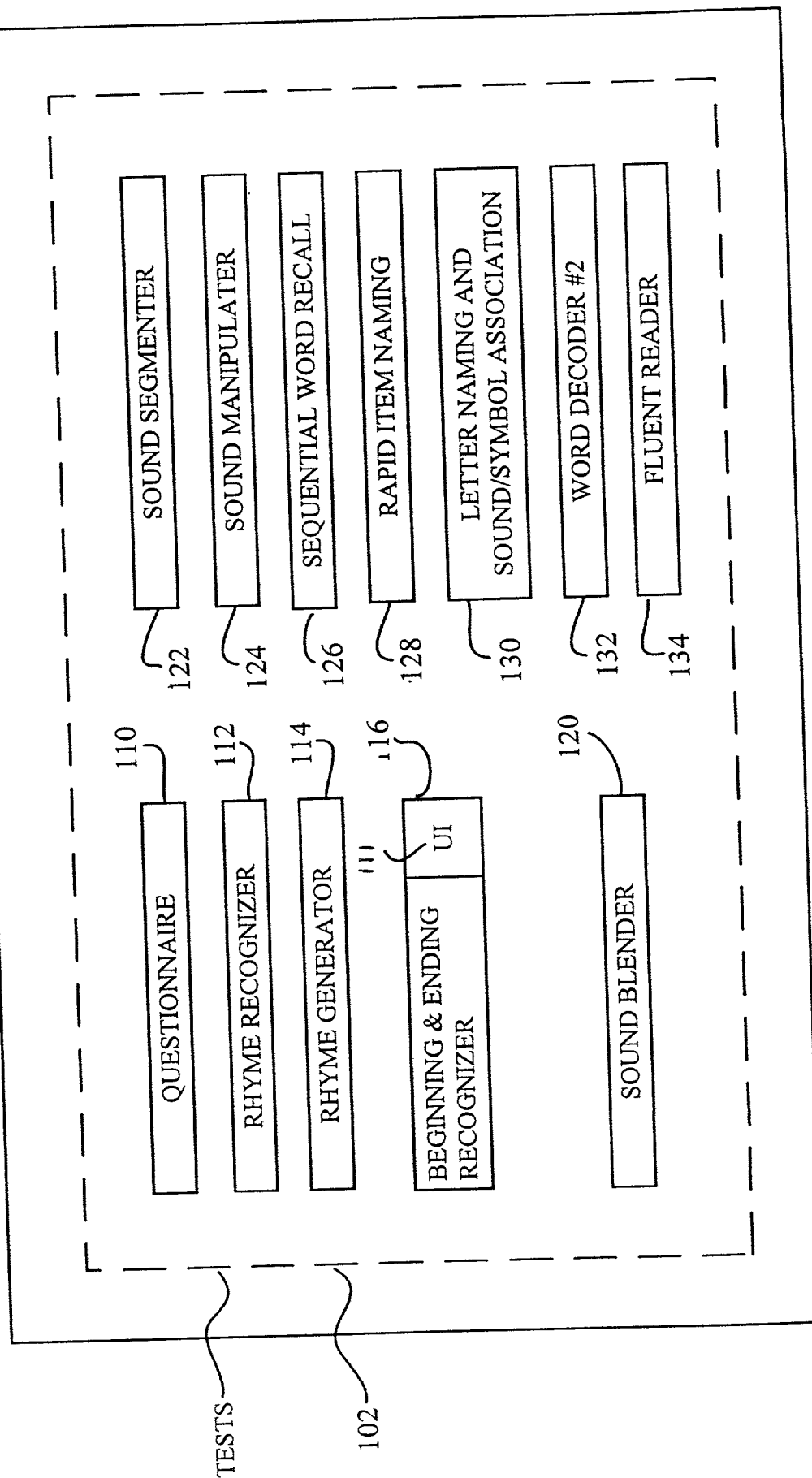


Figure 3

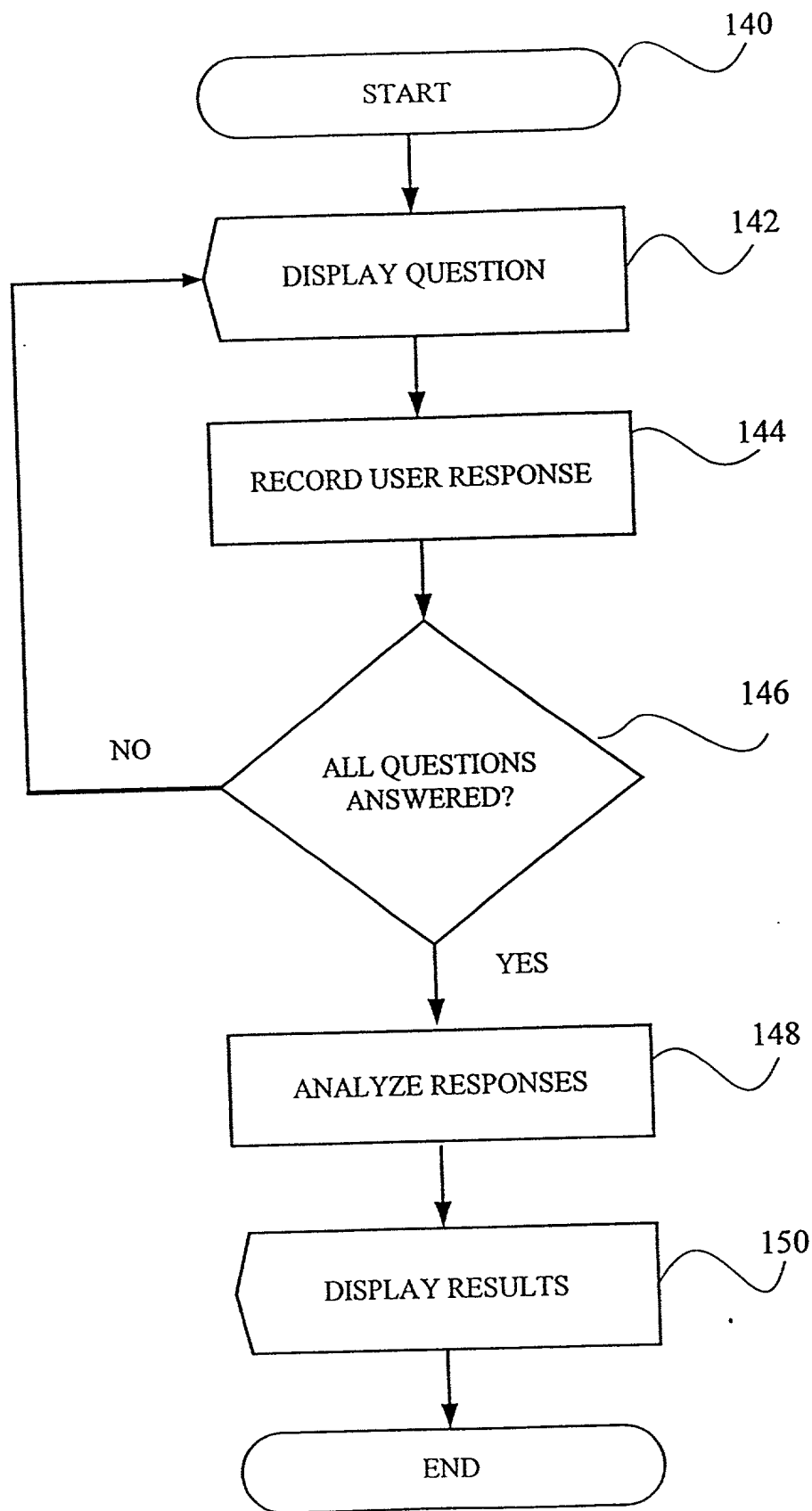


Figure 4

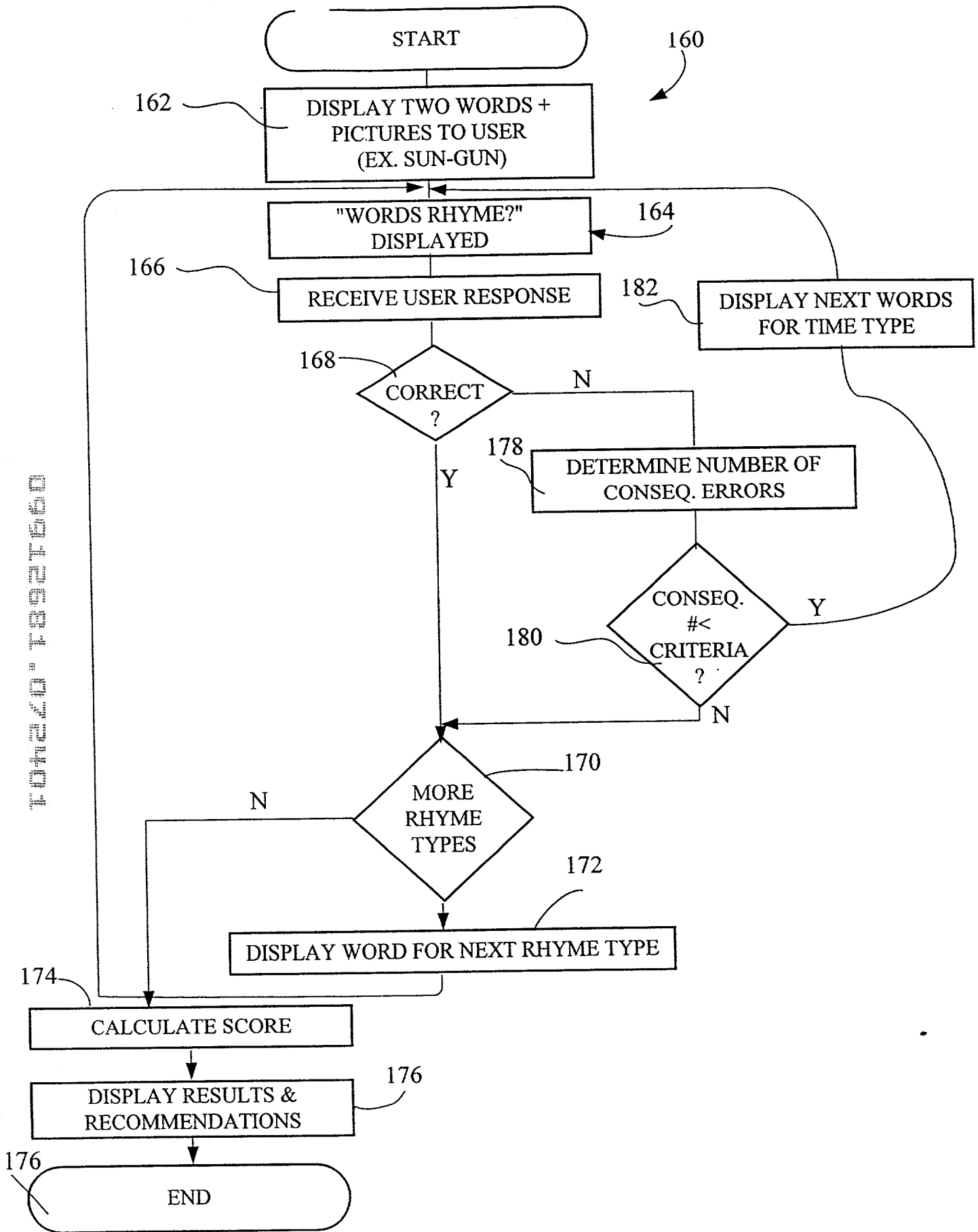
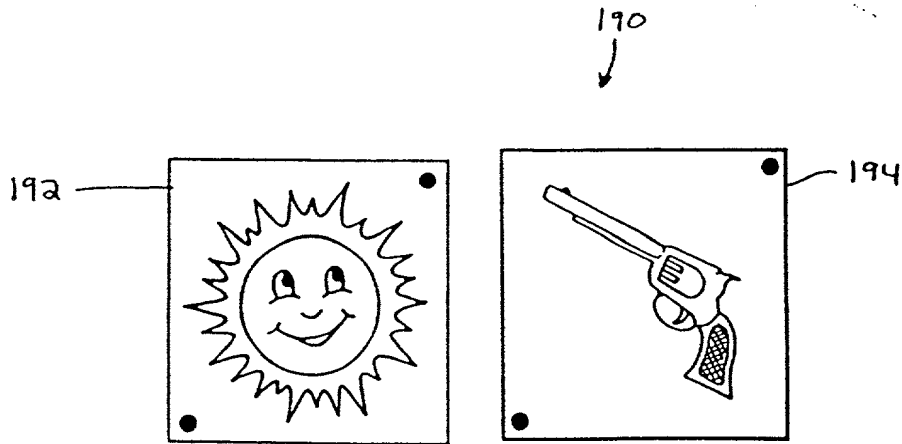


Figure 5



WORDS RHYME? } 196

198 — YES — NO — 200

Figure 6

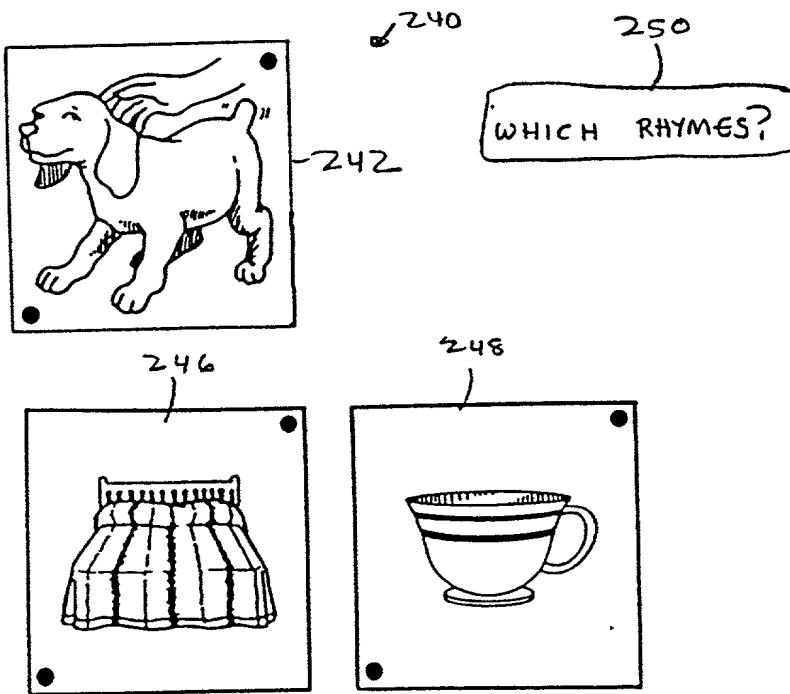


Figure 8

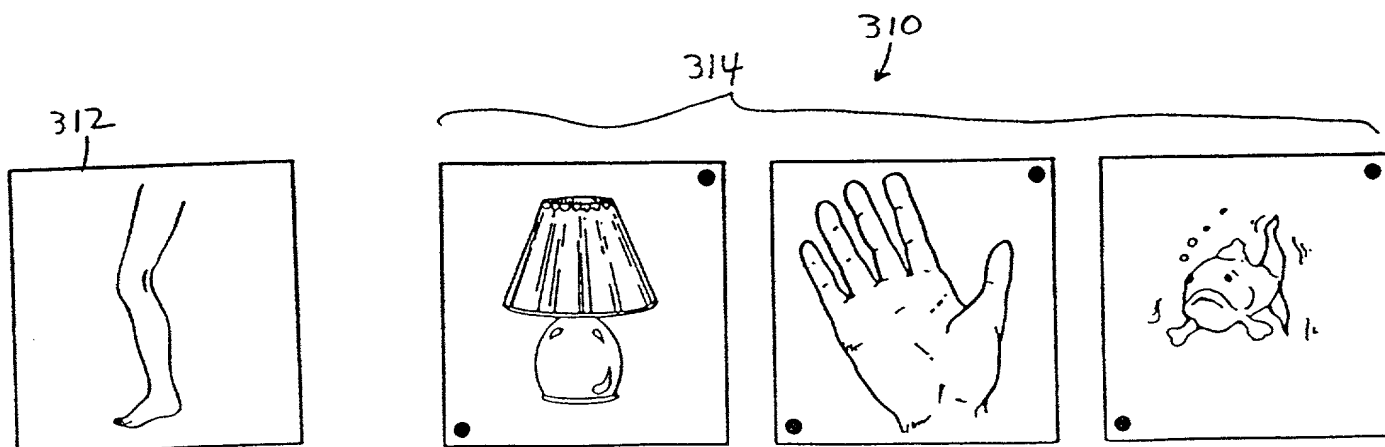


FIGURE 10

00013681 072403

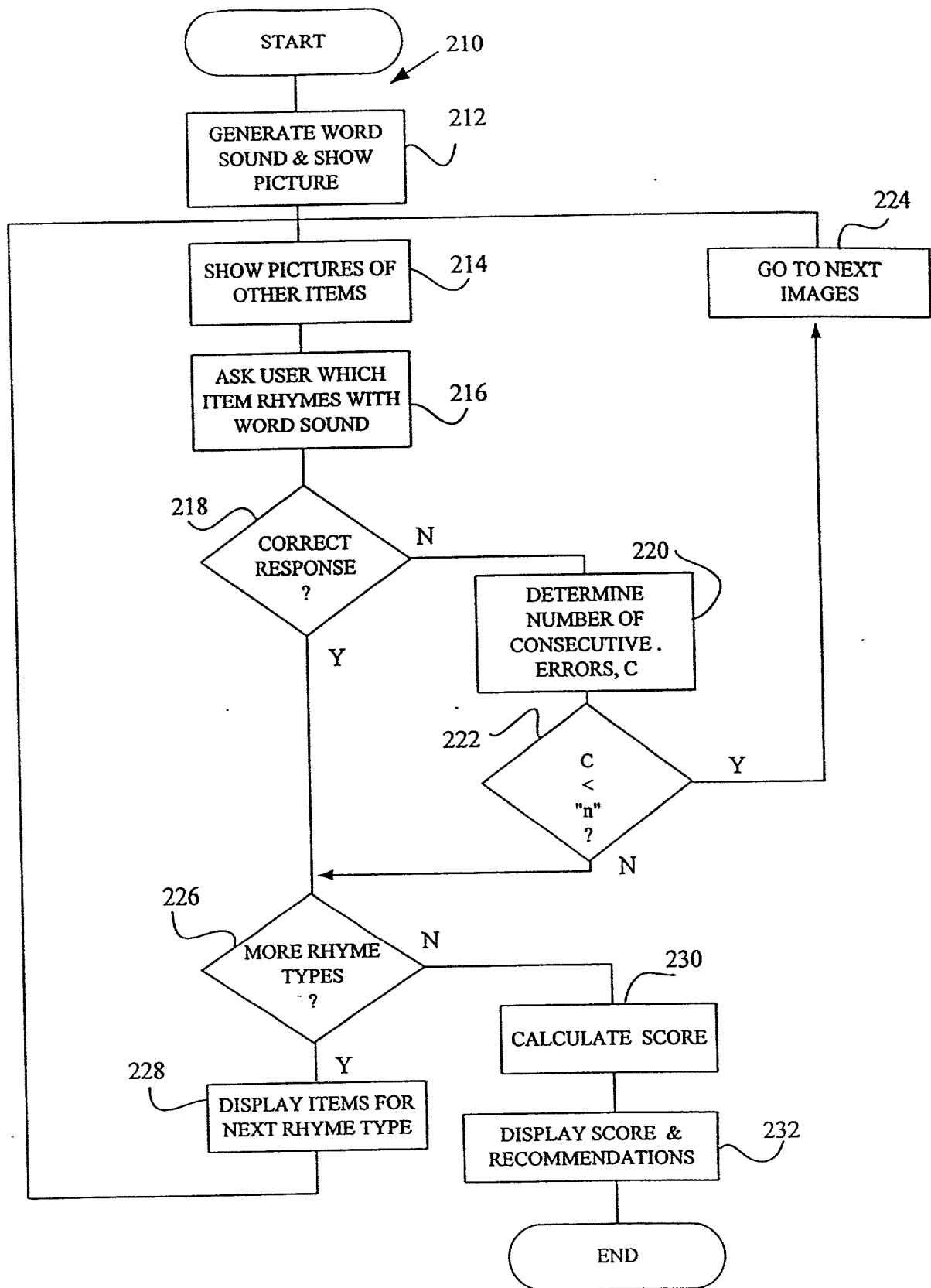


Figure 7

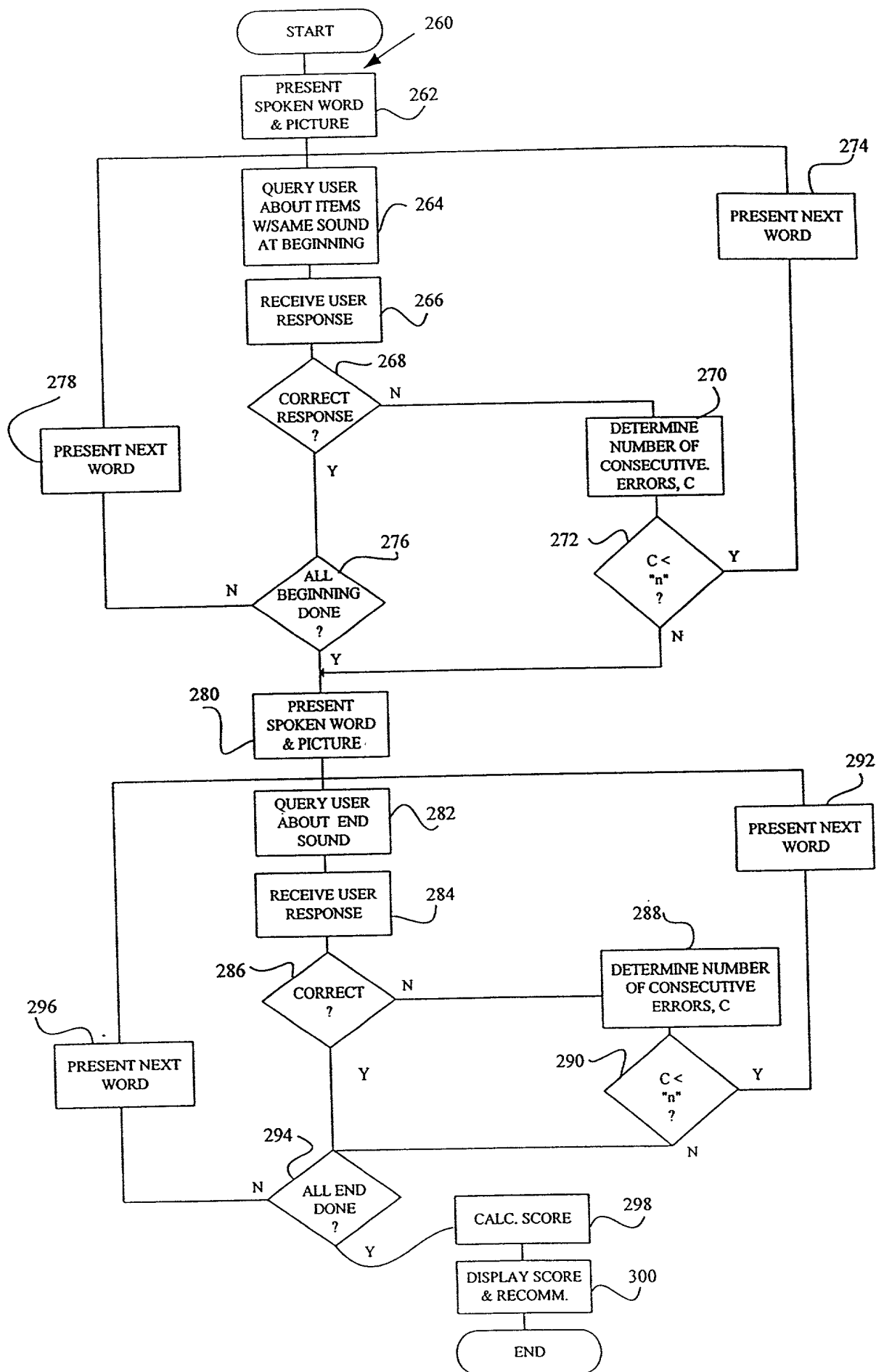


Figure 9

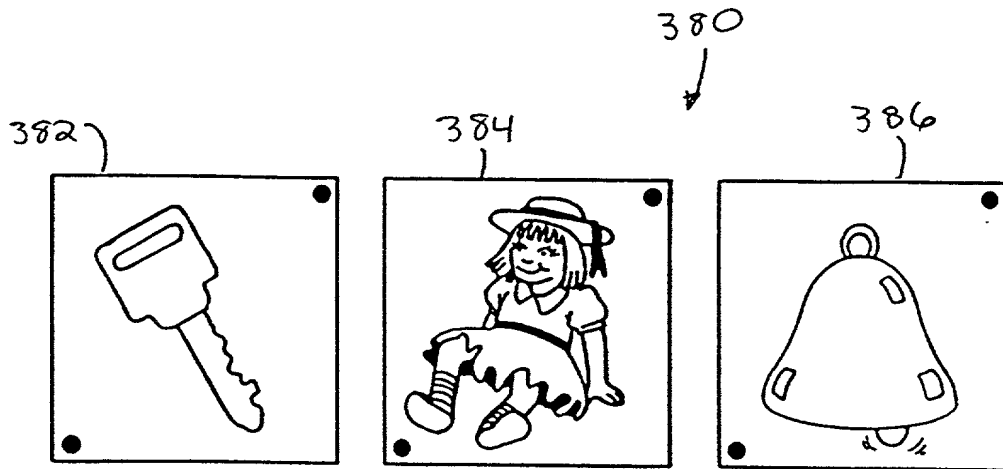


Figure 12

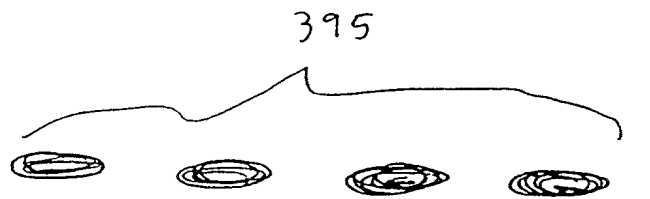


Figure 14

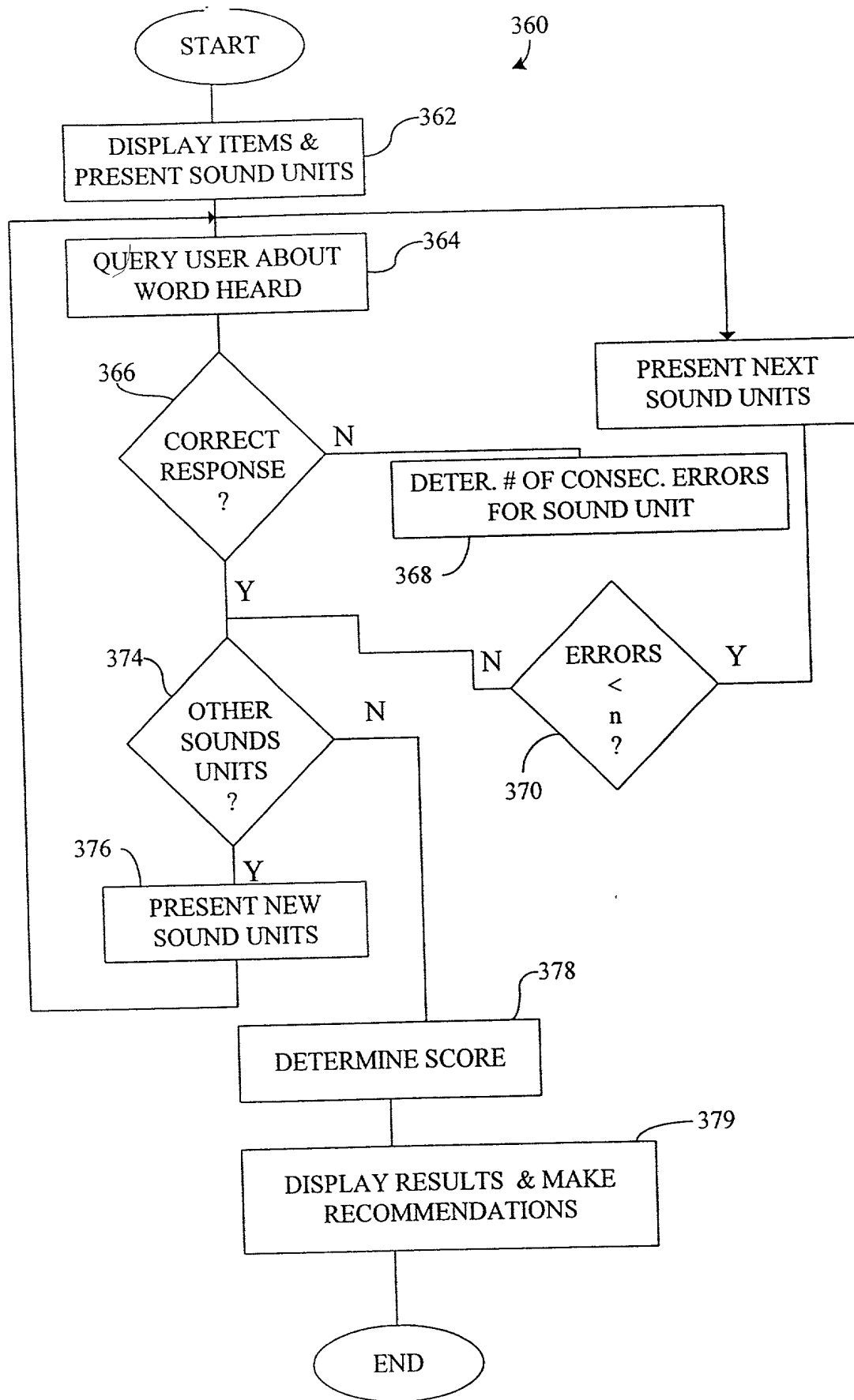


Figure 11

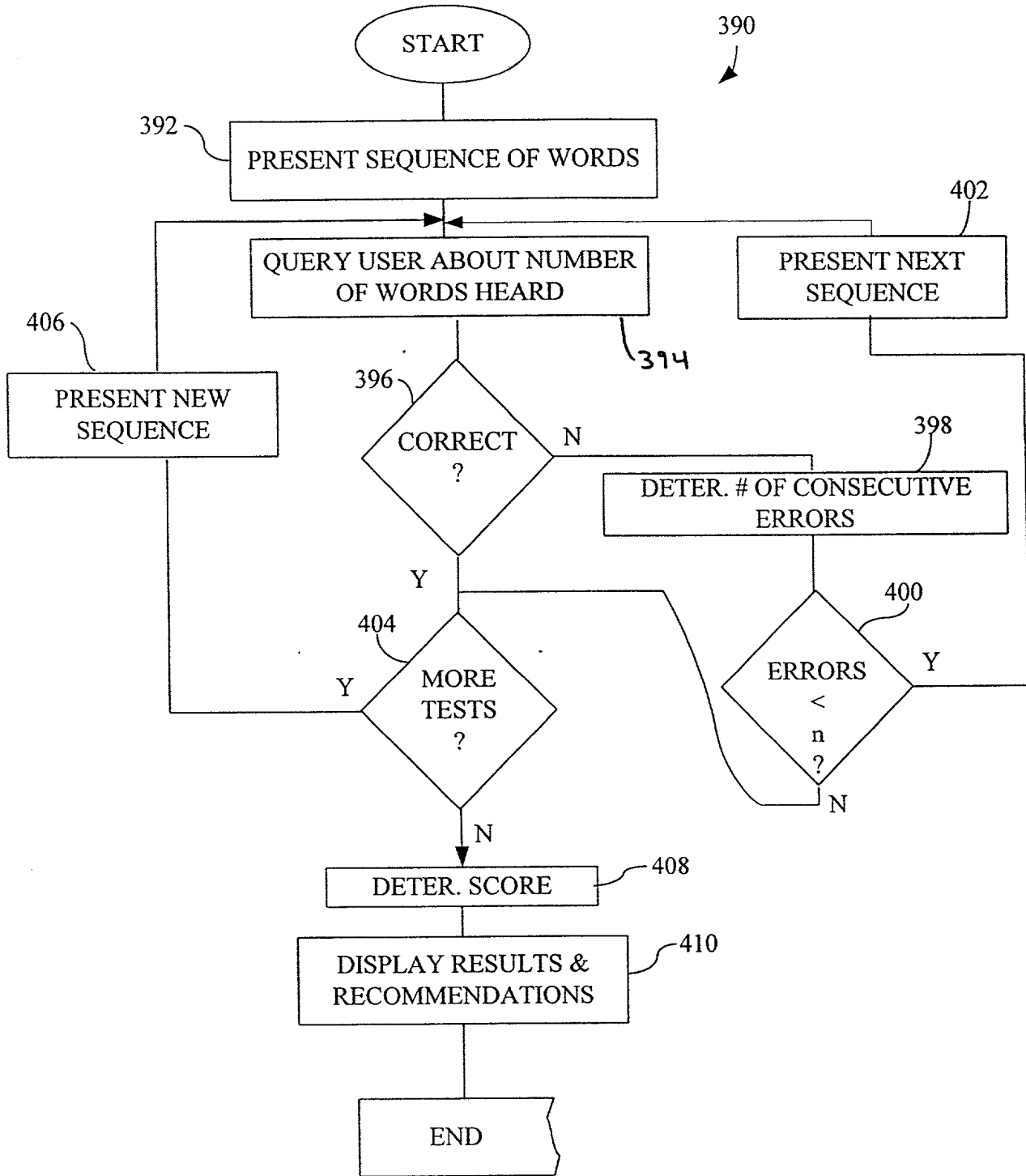


Figure 13

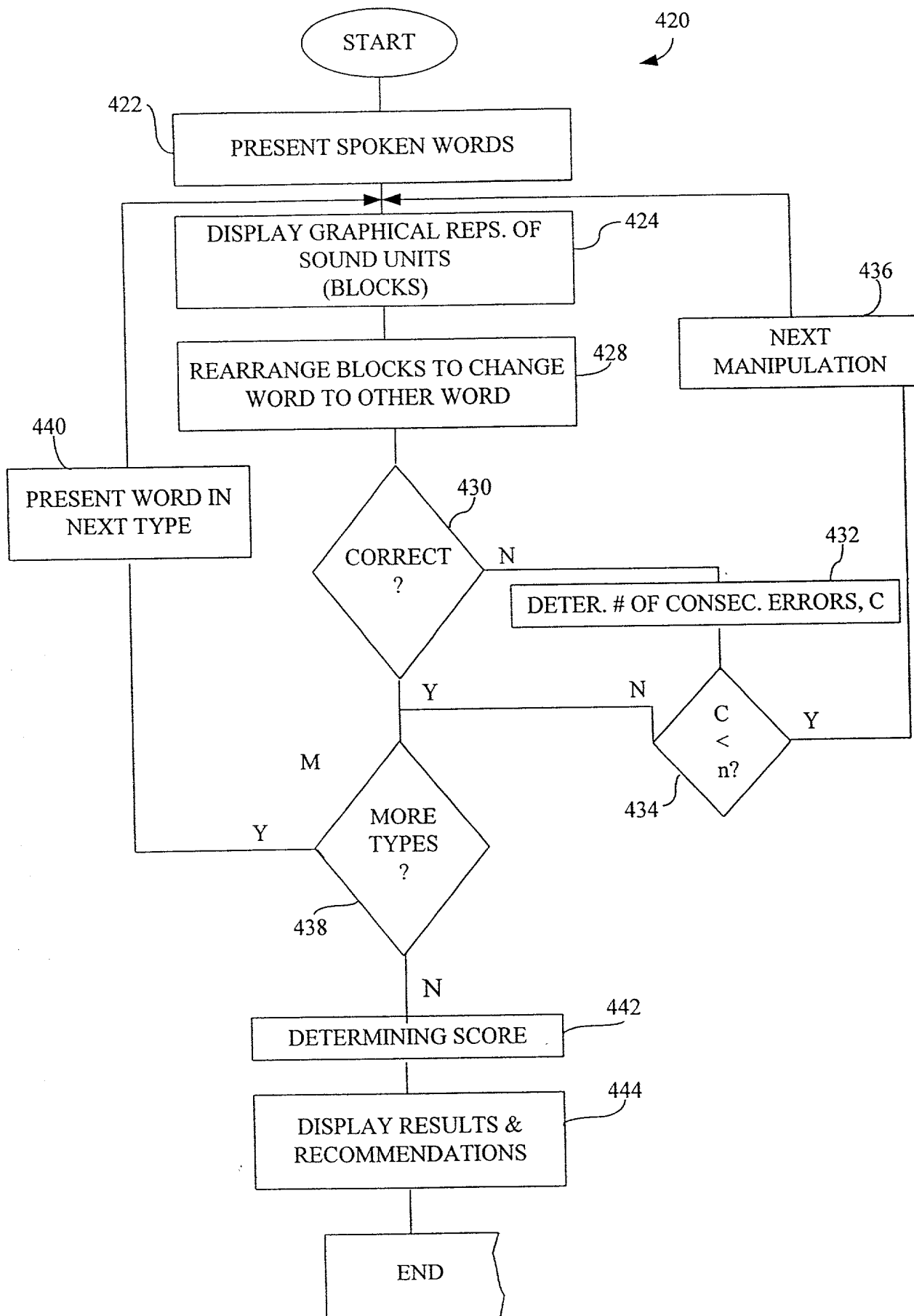


Figure 15

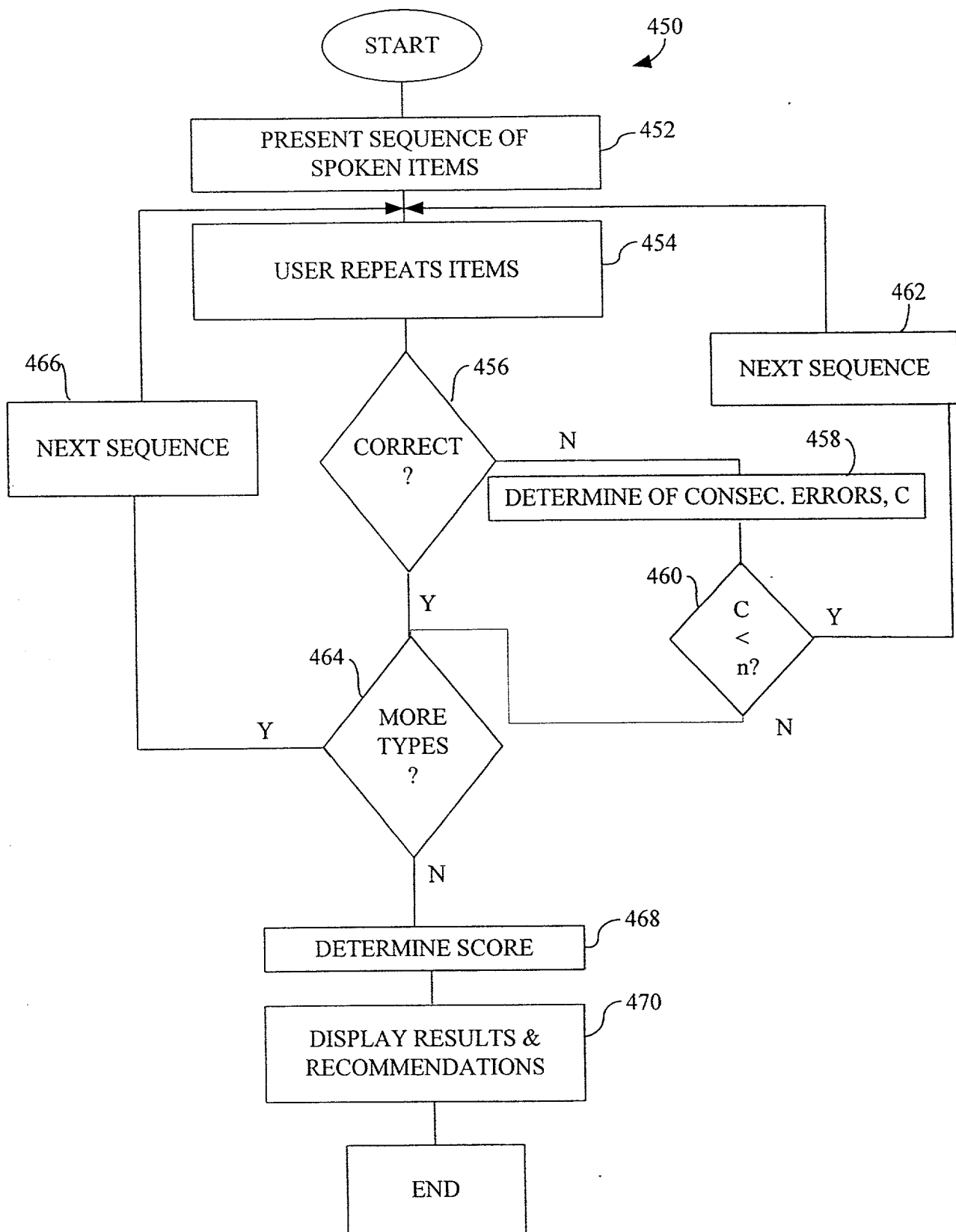


Figure 17

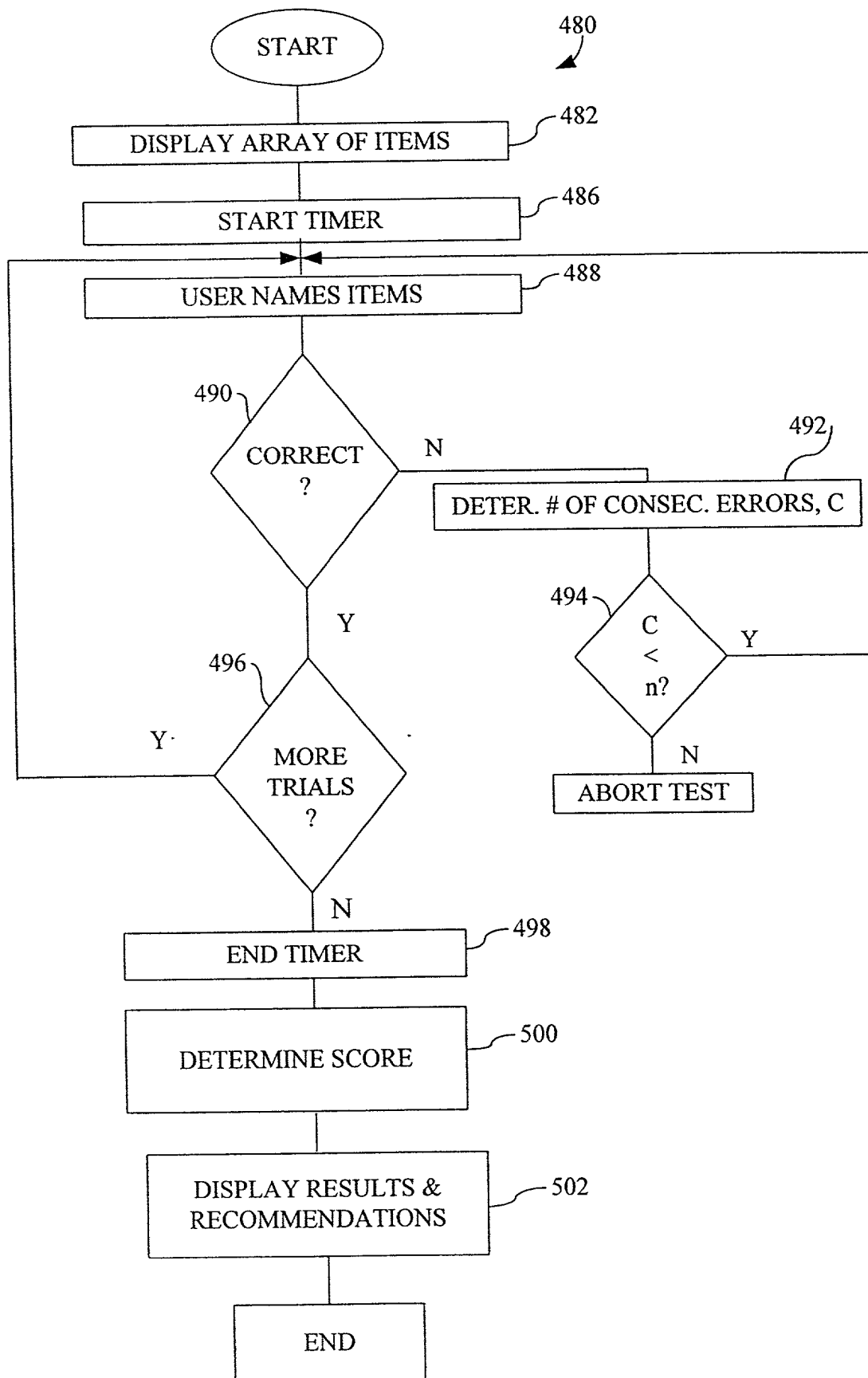


Figure 19

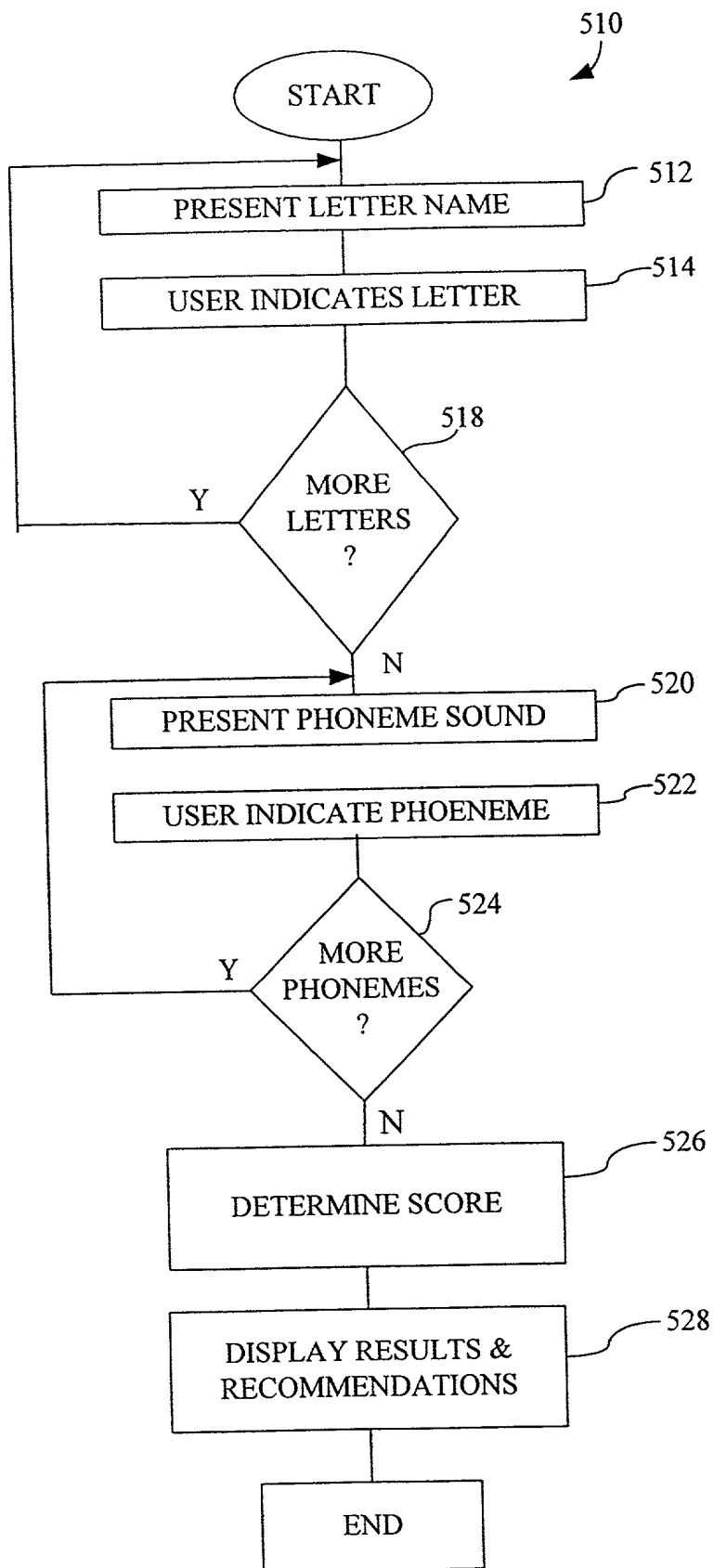


Figure 21

A B C D E F
 G H I J K L
 M N O P Q R
 S T U V W X Y Z

516

Figure 22

taf cag dop mib

533

Figure 24

Does a dog have four legs? 564

YES NO

566

Figure 26

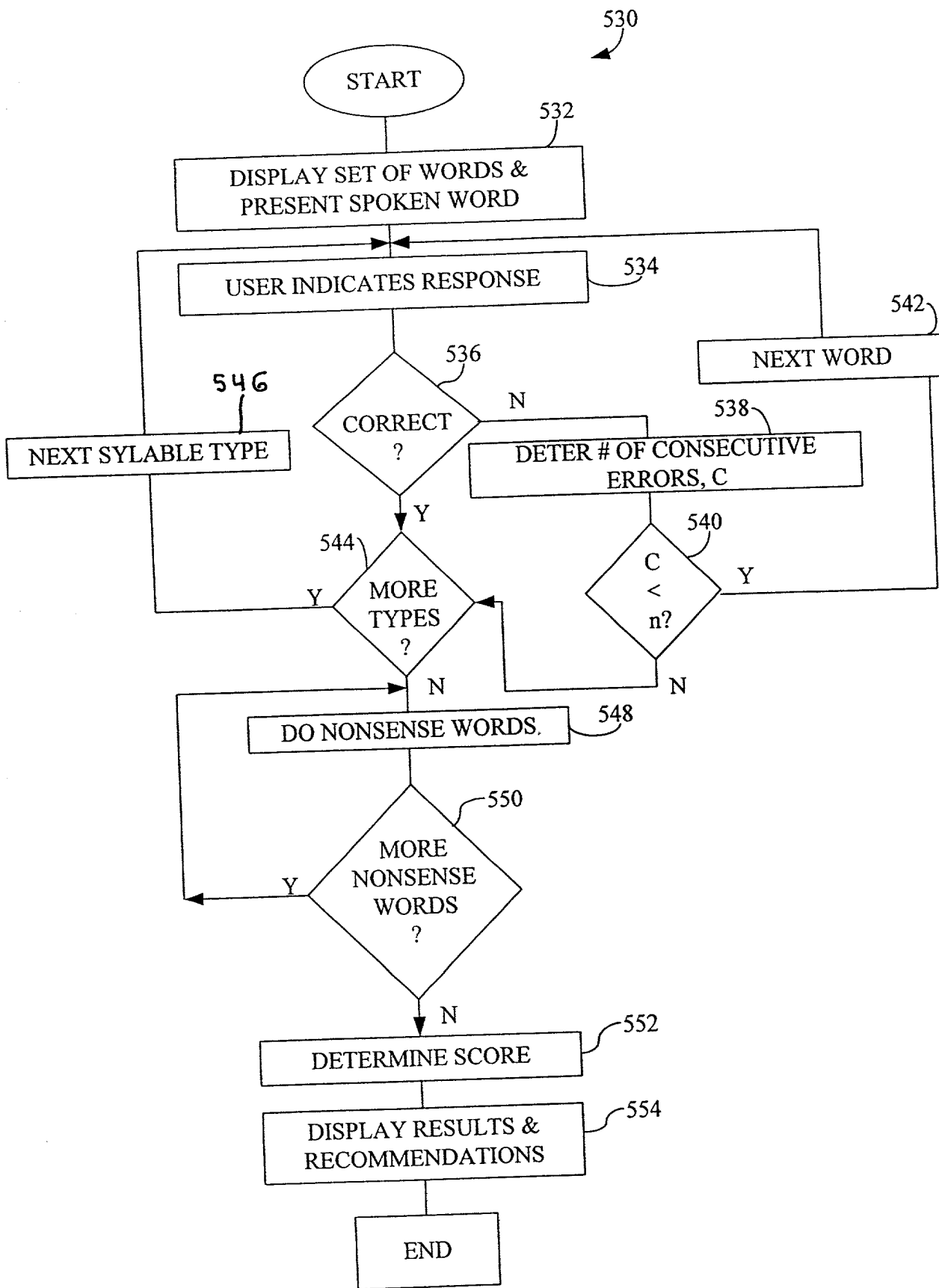


Figure 23

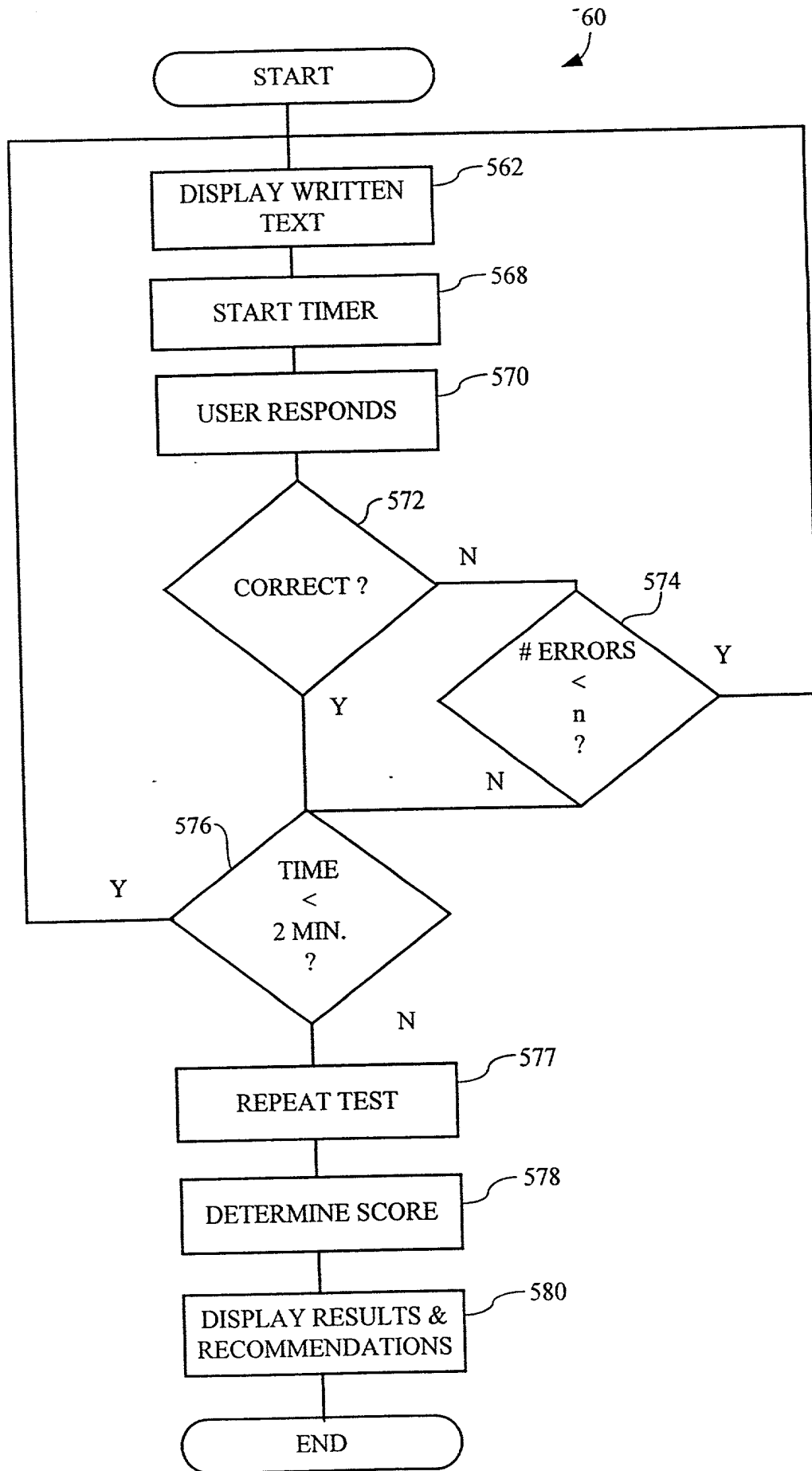


Figure 25

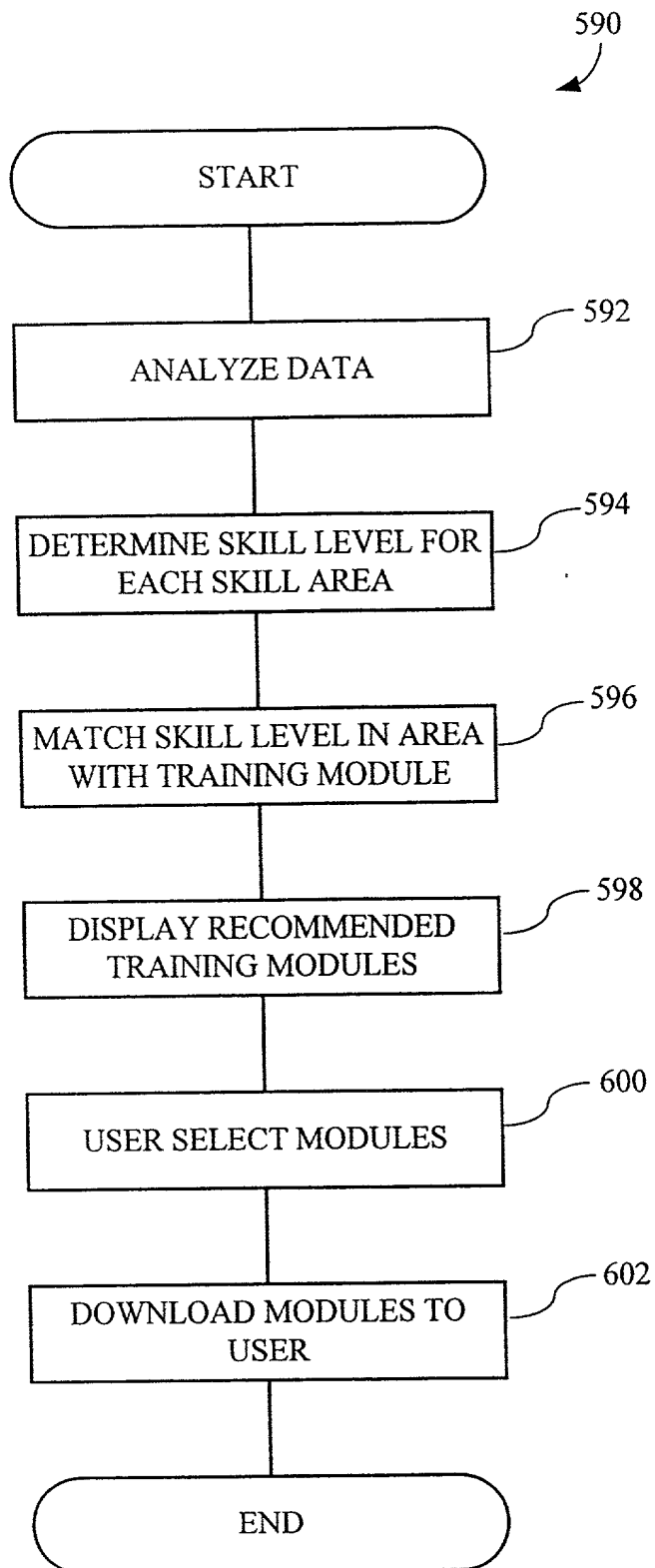


Figure 27

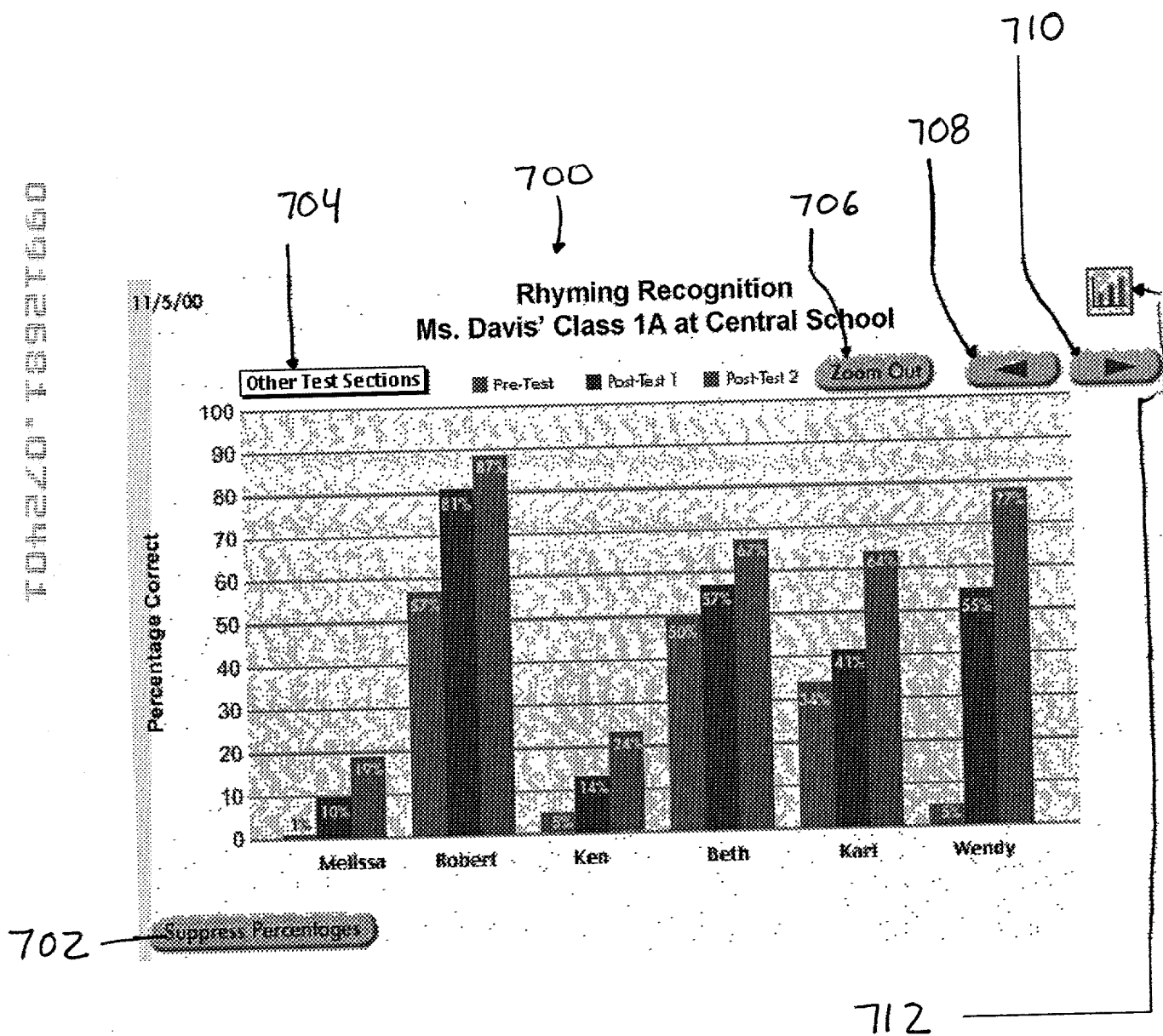
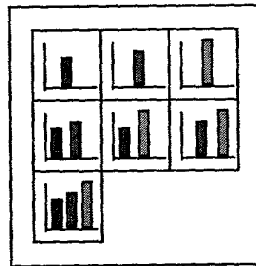


Figure 28

Rhyme Recognition
Rhyme Generation
Beginning and Ending Sounds
Blending
Segmenting
Manipulating
Recalling in Sequential Order
Rapid Naming
Letter Names and Sound
Decoding
Fluent Reading

740

Figure 29



750

Figure 30